

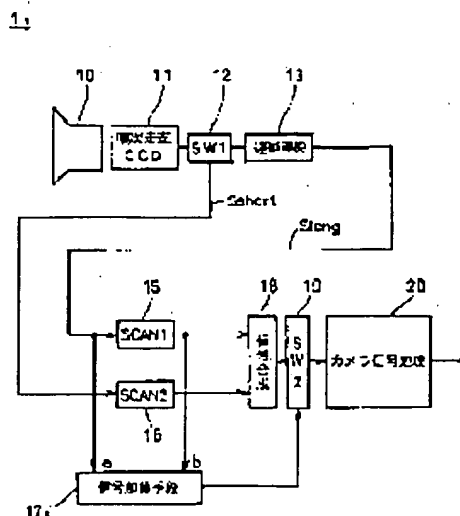
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(57) Abstract:

SOLUTION: In the video camera 11, a 1st switch 12 is used to separate a long time exposure signal and a short time exposure signal outputted from a sequential scanning CCD 11. A delay means 13 delays the long time exposure signal by an exposure time of the short time exposure signal. Scanning conversion means 15, 16 each outputs each one line of the long time exposure signal and the short time exposure signal over one



horizontal scanning period. A signal synthesis means 18 synthesizes each outputted exposure signal. A signal adder means 171 adds the long time exposure signals adjacent in a vertical direction in the unit of pixels depending on the sequential scanning mode. A switch 19 selects an output of the synthesis means 18 in the dynamic range extension mode or an output of the adder means 171 in the sequential scanning mode.

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